

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Dino J. Farina

Continuation Application of:

Application No.: 09/640,346

Filed: August 16, 2000

For: Spray Data Analysis and Characterization System

Date: <u>9-19-03</u>
EXPRESS MAIL LABEL NO. <u>EV21494739545</u>

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This Information Disclosure Statement is submitted:

☐ under 37 CFR 1.129(a), or

(First/Second submission after Final Rejection)

☒ under 37 CFR 1.97(b), or

(Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the national stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, including a CPA, or a Request for Continued Examination).

☐ under 37 CFR 1.97(c) together with either:

☐ a Statement under 37 CFR 1.97(e), as checked below, or

☐ a \$180.00 fee under 37 CFR 1.17(p), or

(After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)

☐ under 37 CFR 1.97(d) together with:

☐ a Statement under 37 CFR 1.97(e), as checked below, and

☐ a \$180.00 fee under 37 CFR 1.17(p), or

(Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee)

☐ under 37 CFR 1.97(i):

Applicant requests that the IDS and cited reference(s) be placed in the application filewrapper.

(Filed after payment of issue fee)

Statement Under 37 CFR 1.97(e)

- ☐ Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Statement Under 37 CFR 1.704(d) (Patent Term Adjustment)

Applies to original applications (other than design) filed on or after May 29, 2000

- ☐ Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.
- ☒ Enclosed herewith is form PTO-1449:
- ☐ Copies of the cited references are enclosed.
- ☐ Since this application was filed after June 30, 2003, copies of issued U.S. patents and published U.S. applications are not required and are not being provided.
- ☒ Cited references were entered in prior U.S. Application No. 09/640,346, to which priority under 35 U.S.C. § 120 is claimed. The earlier application contains copies of the cited references.
- ☐ The listed references were cited in the enclosed International Search Report in a counterpart foreign application.
- ☐ The "concise explanation" requirement (non-English references) for reference(s) [] under 37 CFR 1.98(a)(3) is satisfied by:
- ☐ the explanation provided on the attached sheet.
- ☐ the explanation provided in the Specification.
- ☐ submission of the enclosed International Search Report.
- ☐ submission of the enclosed English-language version of a foreign Search Report and/or foreign Office Action.
- ☐ the enclosed English language abstract.

☐ Applicant requests that the following non-published pending applications be considered:

Examiner's
Initials

_____ U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []

_____ U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []

_____ U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []

Examiner

Date

☐ A copy of each above-cited application, including the current claims, is enclosed.

☐ A copy of each above-cited application, including the current claims, is enclosed, except those entered in prior application, U.S. Application No. [], to which priority under 35 U.S.C. 120 is claimed.

The Examiner is requested to return a copy of the above list of pending applications indicating which references were considered with the next office communication.

It is requested that the information disclosed herein be made of record in this application.

Method of payment:

☐ A check for the fee noted above is enclosed, or the fee has been included in the check with the accompanying Reply. A copy of this Statement is enclosed.


☐ Please charge Deposit Account 08-0380 in the amount of \$[]. A copy of this Statement is enclosed.

☒ Please charge any deficiency in fees and credit any overpayment to Deposit Account 08-0380.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By


Timothy J. Meagher
Registration No.: 39,302
Telephone: (978) 341-0036
Facsimile: (978) 341-0136

Concord, MA 01742-9133

Dated:

9/19/03

PTO-1449 REPRODUCED INFORMATION DISCLOSURE CITATION IN AN APPLICATION September 18, 2003 (Use several sheets if necessary)	ATTORNEY DOCKET NO. 3558.1003-008		Continuation of APPLICATION NO. 09/640,346	
	APPLICANT Dino J. Farina			
	FILING DATE	CONFIRMATION NO.	GROUP	

U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL	REF. NO.	DOCUMENT NUMBER	ISSUE DATE / PUBLICATION DATE	NAME
	AA	6,193,936 B1	02/2001	Gardner et al.
	AB	5,879,713	03/1999	Roth et al.
	AC	5,561,527	10/1996	Krone-Schmidt et al.
	AD	Re 34,910	04/1995	Funkenbusch et al.
	AE	4,965,841	04/1995	Kaneko et al.
	AF	4,415,265	11/1983	Camillo et al.
	AG			
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PTO-1449 REPRODUCED INFORMATION DISCLOSURE CITATION IN AN APPLICATION September 18, 2003 (Use several sheets if necessary)	ATTORNEY DOCKET NO. 3558.1003-008		Continuation of APPLICATION NO. 09/640,346	
	APPLICANT Dino J. Farina			
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
AR	Dvorak, P., "How to See Aerosol Spray Patterns and Plumes," <i>Machine Design</i> , 72(13): 122 (2000, July 6).	
AS	Badreldin, Amira M., "Real-Time Analysis of Fuel Spray Images," Proc. <i>IEEE Int. Conf. On Acoustics, Speech, and Signal Processing</i> , Ap. 1987, vol. 12, pp. 622-624.	
AT	Lopera,, <i>et al.</i> , "Improved Entropic Edge-Detection." Proc. Int. Conf. On Image Analysis and Processing, Sept. 1999.	
AU	Pastor, J. V., <i>et al.</i> , "Analysis Methodology of Diesel Spray and Flame by Means of In-Cylinder Endoscopic Imaging," Proc. IEE Seminar on Advanced Sensors and Instrumentation Systems for Combustion Processes, June 2000, pp. 13/1-13/4.	
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